

## EAST Search History

| Ref # | Hits | Search Query    | DBs      | Default Operator | Plurals | Time Stamp       |
|-------|------|-----------------|----------|------------------|---------|------------------|
| L1    | 26   | 244/158.1.ccls. | US-PGPUB | OR               | ON      | 2006/07/05 15:58 |
| L2    | 20   | 244/164.ccls.   | US-PGPUB | OR               | ON      | 2006/07/05 15:58 |

## EAST Search History

| Ref # | Hits | Search Query   | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|--|---|------------------|---------|------------------|
| S32   | 7193 | (vehicle or craft or spacecraft or satellite) same momentum  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2006/03/17 08:58 |
| S33   | 983  | S32 and (((angle or angular)adj (rate or speed or velocity))or ((rotation or turning) adj (rate or speed or velocity)))                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2006/03/17 09:01 |
| S34   | 44   | S33 and (momentum near (remov\$4 or dump\$4 or null\$3 or expel\$3 or cancel\$4))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2006/03/17 09:40 |
| S35   | 10   | ("20020125374"   "20030010871"   "20040069905"   "5222023"   "5349532"   "5459669"   "5517418"   "5610820"   "6340138"   "6622969").PN. OR ("6921049").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                          | OR               | ON      | 2006/03/17 09:23 |
| S36   | 28   | S33 and (momentum near (estimat\$3 or calculat\$3 or measure\$4))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2006/03/17 09:41 |
| S37   | 32   | S33 and (momentum near (estimat\$3 or calculat\$3 or measure\$4 or determine or determination))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2006/03/17 09:42 |
| S38   | 27   | S37 and torque   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2006/03/17 09:42 |
| S39   | 0    | ("2003/0164429").URPN.   | USPAT   | OR               | ON      | 2006/03/17 09:50 |
| S40   | 8    | ("4071211"   "4521855"   "5184790"   "5354016"   "5556058"   "5791598"   "5931421"   "5996941").PN. OR ("6311932").URPN.                                     | US-PGPUB;<br>USPAT;<br>USOCR                          | OR               | ON      | 2006/03/17 10:03 |
| S41   | 2    | ("20030164429").PN.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2006/03/20 00:37 |

## EAST Search History

|     |     |  |   |    |     |                  |
|-----|-----|--|---|----|-----|------------------|
| S42 | 15  | (US-20030057354-\$ or US-20050116111-\$ or US-20030164429-\$).did. or (US-5610820-\$ or US-5765780-\$ or US-6691033-\$ or US-6260805-\$ or US-5100084-\$ or US-6293501-\$ or US-6676087-\$ or US-6471161-\$ or US-6154692-\$ or US-6517029-\$ or US-6456907-\$ or US-6003817-\$). did. | US-PGPUB;<br>USPAT                                    | OR | ON  | 2006/03/20 00:57 |
| S43 | 9   | S42 and filter\$3  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/03/20 01:03 |
| S44 | 4   | S43 and ((spacecraft or craft or vehicle) near momentum)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/03/20 01:04 |
| S45 | 2   | ("20050049764").PN.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/07/04 12:13 |
| S46 | 2   | ("6672544").PN.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/07/04 12:30 |
| S47 | 5   | ("20020148930"   "5540405"   "5610820"   "6354163").PN. OR ("6672544").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | ON  | 2006/07/04 12:15 |
| S48 | 604 | 701/4.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/07/04 13:04 |
| S49 | 37  | S48 and momentum   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/07/04 13:04 |
| S50 | 111 | 701/10.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/07/04 13:06 |

## EAST Search History

|     |     |                  |   |    |    |                  |
|-----|-----|------------------|---|----|----|------------------|
| S51 | 4   | S50 and momentum | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/07/04 13:06 |
| S52 | 107 | S50 not S51      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/07/04 13:06 |
| S53 | 385 | 701/13.ccls.     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/07/04 14:08 |
| S54 | 163 | S53 and momentum | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/07/04 14:08 |
| S55 | 607 | 701/33.ccls.     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/07/04 14:08 |
| S56 | 828 | 701/3.ccls.      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/07/04 15:52 |
| S57 | 19  | S56 and momentum | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/07/04 14:12 |
| S58 | 552 | 244/3.1.ccls.    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/07/04 14:13 |
| S59 | 32  | S58 and momentum | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/07/04 14:13 |
| S60 | 545 | 244/3.21.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/07/04 14:16 |

## EAST Search History

|     |     |   |   |    |    |                  |
|-----|-----|---|---|----|----|------------------|
| S61 | 38  | S60 and momentum  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/07/04 14:16 |
| S62 | 227 | 244/158.1.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/07/04 14:19 |
| S63 | 26  | S62 and momentum  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/07/04 14:19 |
| S64 | 201 | S62 not S63   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/07/04 14:19 |
| S65 | 480 | 244/164.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/07/04 15:03 |
| S66 | 206 | S65 and momentum  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/07/04 15:03 |
| S67 | 379 | 244/165.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/07/04 15:13 |
| S68 | 229 | S67 and momentum  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/07/04 15:13 |
| S69 | 38  | S67 and ((dump\$3 or remov\$3 or cancel\$4 or unload\$3 or estimat\$3 or measur\$3 or calculat\$3) near momentum) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/07/04 15:46 |
| S70 | 191 | S68 not S69   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/07/04 15:12 |

## EAST Search History

|     |     |                  |   |    |    |                  |
|-----|-----|------------------|---|----|----|------------------|
| S71 | 174 | 244/166.ccls.    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/07/04 15:16 |
| S72 | 73  | S71 and momentum | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/07/04 15:24 |
| S73 | 101 | S71 not S72      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/07/04 15:16 |
| S74 | 86  | 244/167.ccls.    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/07/04 15:19 |
| S75 | 128 | 244/168.ccls.    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/07/04 15:23 |
| S76 | 340 | 244/169.ccls.    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/07/04 15:31 |
| S77 | 110 | S76 and momentum | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/07/04 15:35 |
| S78 | 109 | 244/170.ccls.    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/07/04 15:35 |
| S79 | 375 | 244/171.ccls.    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/07/04 15:35 |
| S80 | 121 | S79 and momentum | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/07/04 15:35 |

## EAST Search History

|     |     |  |   |    |    |                  |
|-----|-----|--|---|----|----|------------------|
| S81 | 35  | ((satellite or spacecraft) and ((dump\$3 or remov\$3 or cancel\$4 or unload\$3 or estimat\$3 or measur\$3 or calculat\$3) near momentum)).clm. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/07/04 15:52 |
| S82 | 277 | 701/3.ccls.  | US-PGPUB  | OR | ON | 2006/07/04 15:54 |
| S83 | 25  | S82 and ((satellite or spacecraft)).clm.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/07/04 15:53 |
| S84 | 61  | 701/13.ccls.   | US-PGPUB  | OR | ON | 2006/07/04 15:54 |